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**From:** Morris, Mark [Morris.Mark@epa.gov]  
**Sent:** 12/8/2016 6:17:38 PM  
**To:** Jinot, Jennifer [Jinot.Jennifer@epa.gov]  
**CC:** Rimer, Kelly [Rimer.Kelly@epa.gov]; Palma, Ted [Palma.Ted@epa.gov]  
**Subject:** RE: ambient ethylene oxide exposures  
**Attachments:** EO Block Risks 20142.xlsx

Hi, Jennifer.

We recently completed modeling for the 2014 NATA point sources.

**Ex. 5 Deliberative Process (DP)**

## Ex. 5 Deliberative Process (DP)

Mark

Mark Morris  
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**From:** Jinot, Jennifer  
**Sent:** Thursday, December 08, 2016 11:57 AM  
**To:** Morris, Mark <Morris.Mark@epa.gov>  
**Cc:** Rimer, Kelly <Rimer.Kelly@epa.gov>  
**Subject:** ambient ethylene oxide exposures  
**Importance:** High

hi, Mark. i am the current project manager for EPA's IRIS assessment on the carcinogenicity of ethylene oxide (EtO). you may recall that i contacted you in 2005 about ambient exposure levels of EtO, and you provided me with the information that maximum modeled levels are on the order of 1-2 ug/m<sup>3</sup> (~0.5 – 1 ppb). do you have any more recent information about ambient EtO levels, and are these maximum modeled levels equivalent to estimates of "fence line" exposures around commercial sterilization facilities? thank you for any additional information that you can provide, and if possible, we would really appreciate a quick reply,

**Ex. 5 Deliberative Process (DP)**

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